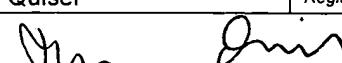


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22390 U.S. PTO
10/730549

120503

UTILITY PATENT APPLICATION TRANSMITTAL <i>(Only for new nonprovisional applications under 37 CFR 1.53(b))</i>		Attorney Docket No.	CWRU-P01-046	
		First Inventor	Mary J. Laughlin	
		Title	CELL-BASED THERAPIES FOR ISCHEMIA	
		Express Mail Label No.	EV302402481US	
APPLICATION ELEMENTS <i>See MPEP chapter 600 concerning utility patent application contents.</i>		MS Patent Application ADDRESS TO: Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450		
1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17) <i>(Submit an original, and a duplicate for fee processing)</i> 2. <input checked="" type="checkbox"/> Applicant claims small entity status. <i>See 37 CFR 1.27.</i> 3. <input checked="" type="checkbox"/> Specification [Total Pages 57] <i>(preferred arrangement set forth below)</i> - Descriptive title of the invention - Cross Reference to Related Applications - Statement Regarding Fed Sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure		7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 8. Nucleotide and/or Amino Acid Sequence Submission <i>(if applicable, all necessary)</i> a. <input type="checkbox"/> Computer Readable Form (CRF) b. Specification Sequence Listing on: i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or ii. <input type="checkbox"/> Paper c. <input type="checkbox"/> Statements verifying identity of above copies		
4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) [Total Sheets 18] 5. Oath or Declaration [Total Sheets] a. <input type="checkbox"/> Newly executed (original or copy) b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) <i>(for continuation/divisional with Box 18 completed)</i> i. <input type="checkbox"/> DELETION OF INVENTOR(S) <i>Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).</i>		ACCOMPANYING APPLICATIONS PARTS 9. <input type="checkbox"/> Assignment Papers (cover sheet & document(s)) 10. <input type="checkbox"/> 37 CFR 3.73(b) Statement <input type="checkbox"/> Power of <i>(when there is an assignee)</i> <input type="checkbox"/> Attorney 11. <input type="checkbox"/> English Translation Document (if applicable) 12. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations 13. <input type="checkbox"/> Preliminary Amendment 14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) <i>(Should be specifically itemized)</i> 15. <input type="checkbox"/> Certified Copy of Priority Document(s) <i>(if foreign priority is claimed)</i> 16. <input type="checkbox"/> Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent. 17. <input type="checkbox"/> Other: _____		
6. <input checked="" type="checkbox"/> Application Data Sheet. See 37 CFR 1.76				
18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76: <input type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input type="checkbox"/> Continuation-in-part (CIP) of prior application No.: _____				
Prior application information: Examiner _____ Art Unit: _____				
For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation <u>can only</u> be relied upon when a portion has been inadvertently omitted from the submitted application parts.				
19. CORRESPONDENCE ADDRESS				
<input checked="" type="checkbox"/> Customer Number: 28120 OR <input type="checkbox"/> Correspondence address below				
Name	ROPS & GRAY LLP Anita Varma			
Address	One International Place			
City	Boston	State	MA	Zip Code
Country	US	Telephone	(617) 951-7000	Fax (617) 951-7050
Name (Print/Type)	John D. Quisel		Registration No. (Attorney/Agent)	47,874
Signature			Date	December 5, 2003

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail, Airbill No. EV302402481US, in an envelope addressed to: MS Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

Dated: 12-5-03Signature: Maura A. Gallagher (Maura A. Gallagher)



17638 U.S. PTO

PTO/SB/17 (10-03)

Approved for use through 7/31/2006. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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FEE TRANSMITTAL for FY 2004

Effective 10/01/2003, Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT** (\$ 840.00)

Complete if Known	
Application Number	Not Yet Assigned
Filing Date	December 5, 2003
First Named Inventor	Mary J. Laughlin
Examiner Name	Not Yet Assigned
Art Unit	N/A
Attorney Docket No.	CWRU-P01-046

METHOD OF PAYMENT (check all that apply)

Check Credit Card Money Order Other None
 Deposit Account:

Deposit Account Number **18-1945**

Deposit Account Name **Ropes & Gray LLP**

The Director is authorized to: (check all that apply)

Charge fee(s) indicated below Credit any overpayments
 Charge any additional fee(s) or any underpayment of fee(s)
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION**1. BASIC FILING FEE**

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
1001	770	2001	385	Utility filing fee	385.00
1002	340	2002	170	Design filing fee	
1003	530	2003	265	Plant filing fee	
1004	770	2004	385	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	

SUBTOTAL (1) (\$ 385.00)**2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE**

Extra Claims	Fee from below	Fee Paid
Total Claims 61	-20** = 41 x 9.00	= 369.00
Independent Claims 5	-3** = 2 x 43.00	= 86.00
Multiple Dependent		=

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description
1202	18	2202	9	Claims in excess of 20
1201	86	2201	43	Independent claims in excess of 3
1203	290	2203	145	Multiple dependent claim, if not paid
1204	86	2204	43	** Reissue independent claims over original patent
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$ 455.00)

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)**3. ADDITIONAL FEES**

Large Entity	Small Entity	Fee Description	Fee Paid
Fee Code 1051	Fee (\$ 130)	Fee Code 2051	Fee (\$ 65) Surcharge - late filing fee or oath
Fee Code 1052	Fee (\$ 50)	Fee Code 2052	Fee (\$ 25) Surcharge - late provisional filing fee or cover sheet.
Fee Code 1053	Fee (\$ 130)	Fee Code 1053	Fee (\$ 130) Non-English specification
Fee Code 1812	Fee (\$ 2,520)	Fee Code 1812	Fee (\$ 2,520) For filing a request for ex parte reexamination
Fee Code 1804	Fee (\$ 920*)	Fee Code 1804	Fee (\$ 920*) Requesting publication of SIR prior to Examiner action
Fee Code 1805	Fee (\$ 1,840*)	Fee Code 1805	Fee (\$ 1,840*) Requesting publication of SIR after Examiner action
Fee Code 1251	Fee (\$ 110)	Fee Code 2251	Fee (\$ 55) Extension for reply within first month
Fee Code 1252	Fee (\$ 420)	Fee Code 2252	Fee (\$ 210) Extension for reply within second month
Fee Code 1253	Fee (\$ 950)	Fee Code 2253	Fee (\$ 475) Extension for reply within third month
Fee Code 1254	Fee (\$ 1,480)	Fee Code 2254	Fee (\$ 740) Extension for reply within fourth month
Fee Code 1255	Fee (\$ 2,010)	Fee Code 2255	Fee (\$ 1,005) Extension for reply within fifth month
Fee Code 1401	Fee (\$ 330)	Fee Code 2401	Fee (\$ 165) Notice of Appeal
Fee Code 1402	Fee (\$ 330)	Fee Code 2402	Fee (\$ 165) Filing a brief in support of an appeal
Fee Code 1403	Fee (\$ 290)	Fee Code 2403	Fee (\$ 145) Request for oral hearing
Fee Code 1451	Fee (\$ 1,510)	Fee Code 1451	Fee (\$ 1,510) Petition to institute a public use proceeding
Fee Code 1452	Fee (\$ 110)	Fee Code 2452	Fee (\$ 55) Petition to revive - unavoidable
Fee Code 1453	Fee (\$ 1,330)	Fee Code 2453	Fee (\$ 665) Petition to revive - unintentional
Fee Code 1501	Fee (\$ 1,330)	Fee Code 2501	Fee (\$ 665) Utility issue fee (or reissue)
Fee Code 1502	Fee (\$ 480)	Fee Code 2502	Fee (\$ 240) Design issue fee
Fee Code 1503	Fee (\$ 640)	Fee Code 2503	Fee (\$ 320) Plant issue fee
Fee Code 1460	Fee (\$ 130)	Fee Code 1460	Fee (\$ 130) Petitions to the Commissioner
Fee Code 1807	Fee (\$ 50)	Fee Code 1807	Fee (\$ 50) Processing fee under 37 CFR 1.17(q)
Fee Code 1806	Fee (\$ 180)	Fee Code 1806	Fee (\$ 180) Submission of Information Disclosure Stmt
Fee Code 8021	Fee (\$ 40)	Fee Code 8021	Fee (\$ 40) Recording each patent assignment per property (times number of properties)
Fee Code 1809	Fee (\$ 770)	Fee Code 2809	Fee (\$ 385) Filing a submission after final rejection (37 CFR 1.129(a))
Fee Code 1810	Fee (\$ 770)	Fee Code 2810	Fee (\$ 385) For each additional invention to be examined (37 CFR 1.129(b))
Fee Code 1801	Fee (\$ 770)	Fee Code 2801	Fee (\$ 385) Request for Continued Examination (RCE)
Fee Code 1802	Fee (\$ 900)	Fee Code 1802	Fee (\$ 900) Request for expedited examination of a design application
Other fee (specify)			

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 0.00)

SUBMITTED BY		(Complete if applicable)	
Name (Print/Type)	John D. Quisel	Registration No. (Attorney/Agent)	47,874
Signature		Telephone	(617) 951-7685
		Date	December 5, 2003

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Dated: 12-5-03Signature: Maura A. Gallagher (Maura A. Gallagher)